

# Biwako Kusatsu Campus Master Plan 2015 Ver.1

## SUMMARY

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Ritsumeikan University Campus Creation Project

## THE CAMPUS AS A COMMUNITY

Community Planning with Student and Teacher Participation

Ritsumeikan University is engaged in the Campus Creation Project, a comprehensive undertaking encompassing education reform and campus improvements. Through these efforts, both students and teachers hope to achieve an optimal campus environment and pleasant, beneficial campus spaces to support academics, research and student lifestyles. The University has established the Campus Master Plan in order to create opportunities for student and teacher participation toward these ends and achieve the abovementioned goals.

**Beyond Borders**

# Ritsumeikan University Campus Master Plan

The Campus Master Plan plays a supporting role to academic plans and aims to achieve, over the medium-to-long term, a better campus environment. To these ends, the Campus Master Plan defines the campus planning vision, framework and other details, and is utilized as a guideline when establishing specific action plans.

In order to adapt to changes in academic plans, management strategy and so forth over time, the Campus Master Plan is updated periodically (approximately once every five years) and sustained over the long term.

For All Campuses

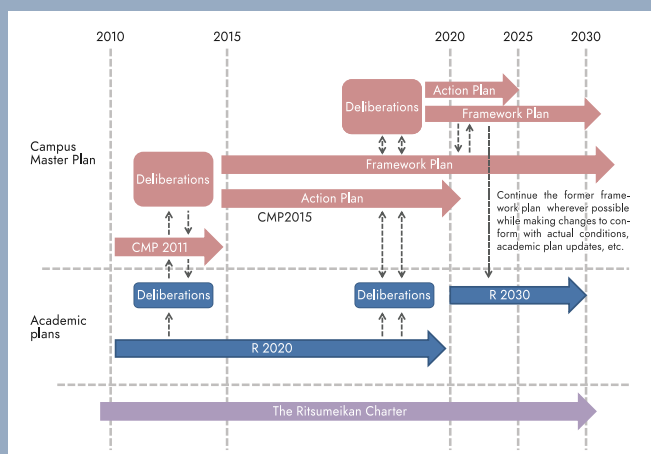
## Spatial Campus Improvement Concepts

1. Spatial measures and improvements in support of diverse community cultivation
2. Creation of educational, research, cultural and sports environments that meet international standards in order to foster high-level students and researchers
3. Top-level campus amenities, natural environments, and consideration for ecology and disaster-mitigation to support higher QOL\*
4. Creation of regional, nationwide and international communication/promotion centers and systems
5. Campus planning with consideration for historical and cultural contexts

\* Quality of Life

## Deliberations and Measures Toward Plan Realization

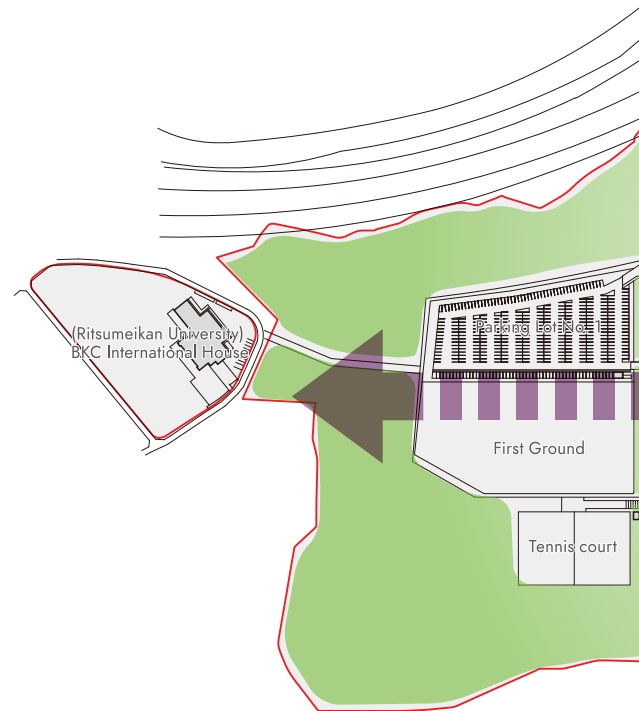
- ☐ Deliberations on planning measures based on the Framework Plan (15–30 year time span)
- ☐ Short-term deliberations aimed at plan implementation via action plans (in 5-year cycles)
- ☐ Multi-tiered deliberations utilizing priority projects
- ☐ Systematic and comprehensive deliberations while maintaining consistency with all measures
- ☐ Further, deeper-reaching deliberations through collaboration with relevant departments and offices
- ☐ Full understanding of current conditions, needs, etc.



Follow the Framework Plan (15–30 year time span) while taking consideration of required construction times, and confirm and update in same 5-year cycles as used for action plans



▲ Bird's-eye view of the BKC (2007)

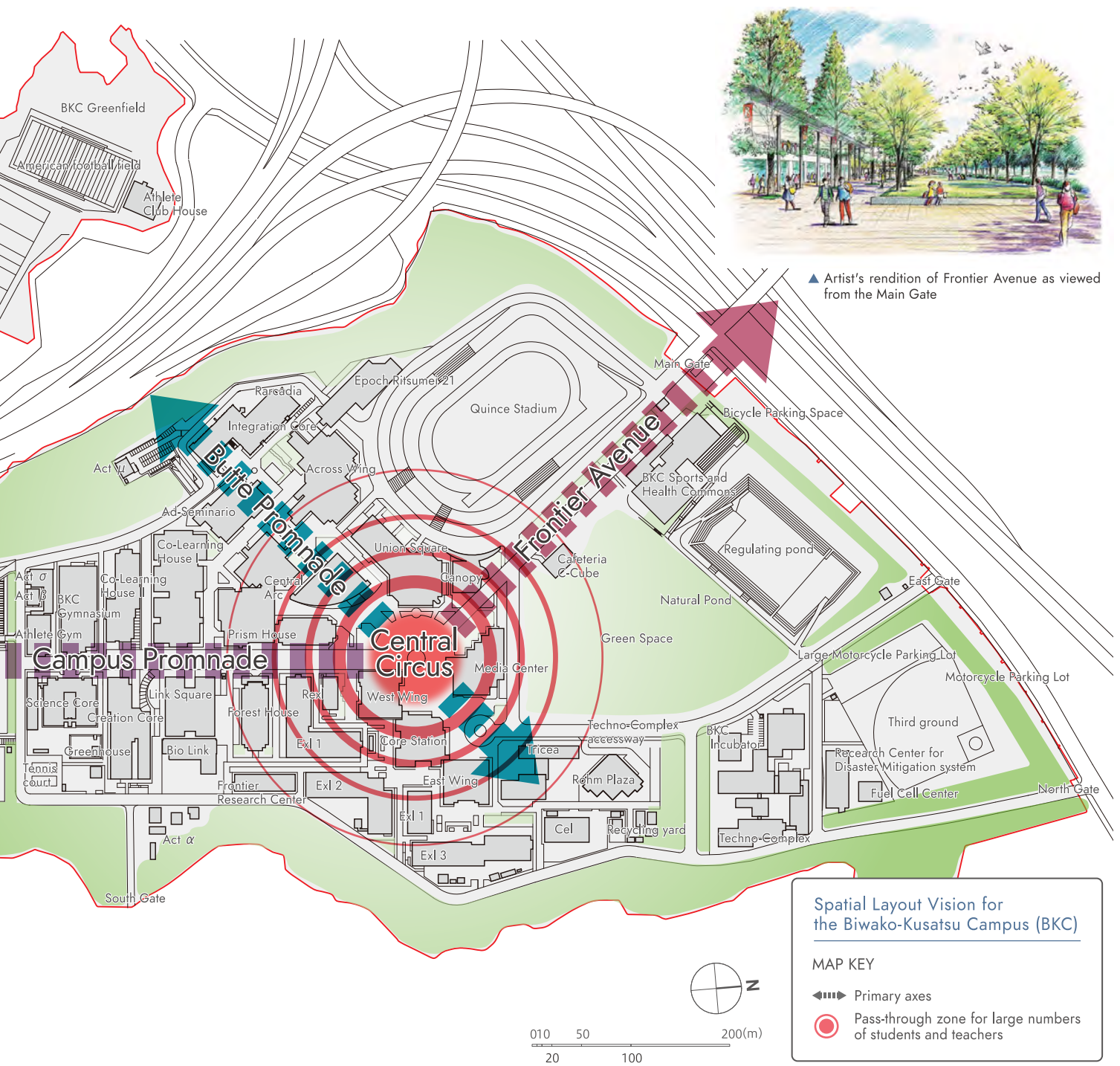


## Campus vision

Innovative campus that achieves world-class academics, research, knowledge and technologies, and shares these with the local region and wider world

## Spatial Concept for the BKC

- 1 | Campus development centering on three primary movement and organizational axes as well as green spaces
- 2 | Campus development utilizing natural-environment landscapes and layouts, with consideration for on-campus topography, water systems and so forth
- 3 | Campus development that links and fosters exchanges between people, things and ideas as well as the local community



## Basic Approach Based on Spatial Concepts

### Enhancement of Campus Axes

- Utilize movement and organizational axes to achieve a more easily understandable campus layout
- Arrange college zones in compact fashion
- Also take consideration of smaller movement routes to facilitate easy movement in spaces between buildings
- Implement improvements linked with green spaces



### Greening to Foster Attractive Scenery and Continuity with Surrounding Areas

- Enhance and improve the campus using existing natural spaces for more abundant greenery
- Grow existing on-campus trees to create shade along on-campus movement routes
- Preserve on-campus natural green spaces while making effective use of them
- Take consideration of natural scenery around campus (Mount Hiei, Lake Biwa, etc.)

### Strengthening of Campus Amenities by Creating Outdoor Spaces and Improving and Expanding Commons and Similar Facilities

- Foster spaces for diverse community activities and environments for presentation of learning and research results
- Create comfortable spaces (plazas, commons, etc.) for students, teachers, local community members and other users in order to boost campus appeal
- Cultivate a campus that facilitates cooperative endeavors with the local community



# Framework Plan Axial, Point and Zone Improvements

The following are considerations for the 2016–2045 mid- to long-term plan. General policies will be expressed in the Campus Master Plan (CMP) and considerations undertaken continually over a 15 to 30 year time span.

1. ZONING AND SITE PLAN
2. TRANSPORT
3. PUBLIC SPACES
4. CAMPUS DESIGN
5. GREEN SPACES
6. SAFETY AND PEACE OF MIND
7. ENVIRONMENTAL CONSIDERATIONS

## Important points and prerequisites to consider for the framework plan:

- ▶ Academic plan
- ▶ Campus-related legal requirements
- ▶ Full understanding of current campus state and conditions
- ▶ Full understanding of demands and requirements
- ▶ Establishment of evaluation standards



## FRAMEWORK PLAN 1.

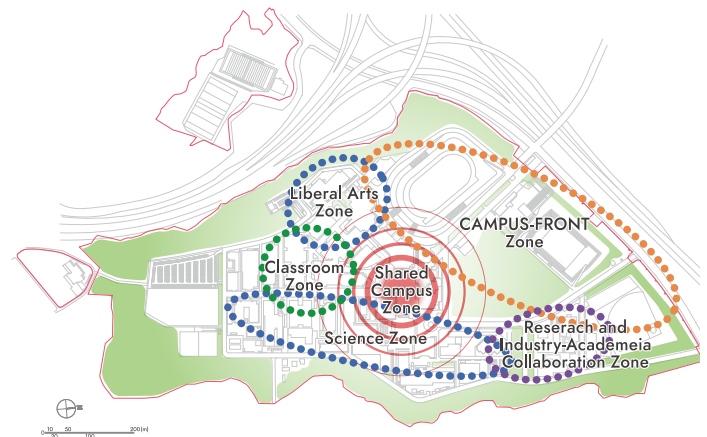
### Zoning and Site Plan

In order to maintain a good campus environment over the long term, continual zoning and building placement considerations must be taken with due consideration given for legal requirements, architectural conditions and so forth.

We will also strive to achieve a compact campus layout by creating combined college and graduate school zones, effectively distributing functions, etc.

#### Approach

- Zoning plans that take advantage of campus-specific characteristics
- Land use planning that take advantage of campus green spaces
- Building placement planning aimed at achieving a sustainable campus



## FRAMEWORK PLAN 2.

### Transport

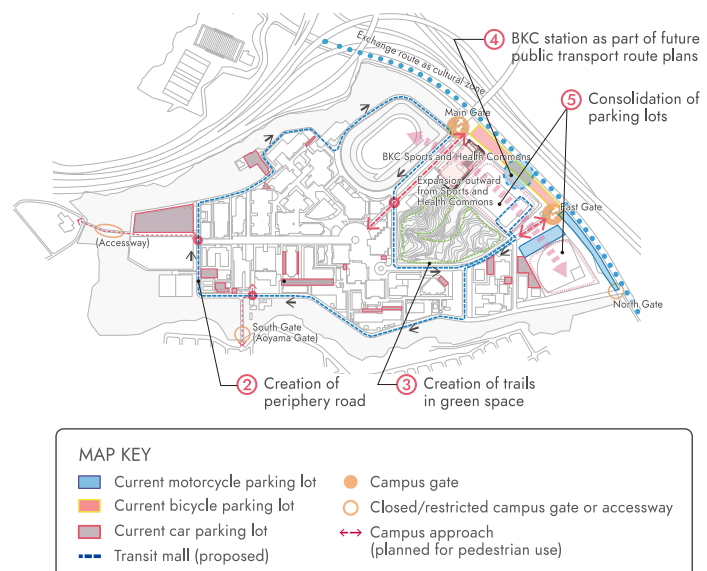
High priority must be placed on working toward a safe, user-friendly, attractive and spacious BKC while making good use of existing campus layouts, infrastructure and transport routes.

Transport systems suited to a suburban campus, with minimal impact on the local community and natural environment, are necessary as well.

#### Approach

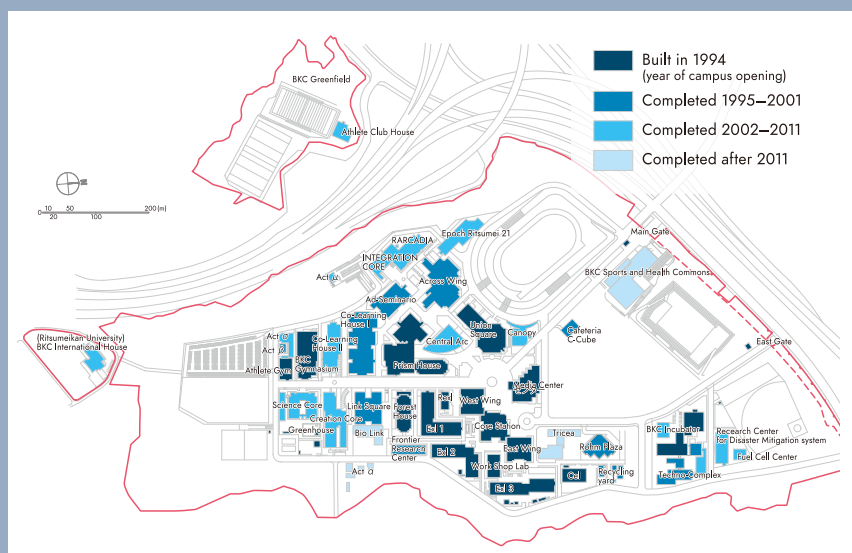
- Consolidation in the campus-front zone of parking lots scattered around campus
- Repurposing of current parking lots between buildings as pedestrian movement routes and public spaces for students and teachers
- Conversion of campus-periphery route into one-way route and addition of on-campus loop bus, sidewalks, a jogging course, etc.
- Creation of green space trails with the aim of preserving rare plants and utilizing green space

\*Please note that special considerations must be taken to enable emergency vehicle access, access by vehicles used for persons with disabilities, etc.



# Biwako-Kusatsu Campus (BKC): Current State and Issues

- ☐ Planned land usage
- ☐ Effective use of facilities and resources, and relocation of functions
- ☐ Response measures to facility aging
- ☐ Changes in campus population
- ☐ Enhancement of academic, research and activity-related environments
- ☐ BKC promotion based on three-campus configuration
- ☐ Improvements to campus amenities
- ☐ Enhancements toward greater harmonization with surrounding environment and campus greening
- ☐ Bolstering functions demanded of a suburban campus



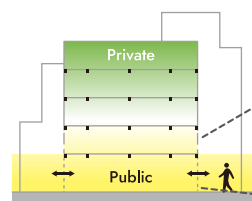
## FRAMEWORK PLAN 3.

### Public Spaces

We intend to implement spatial planning that makes use of existing primary movement routes, the campus's rich greenery and other such features, while fostering energetic learning communities that promote study along with mutual motivation and inspiration among students.

#### Approach

- Creation of public spaces that utilize the characteristics of the BKC
- Utilization of primary movement and organizational axes and establishment of priority improvement zone
- Spatial hierarchy assignment for public spaces
- Fostering spaces that showcase active student learning, activities and exchanges



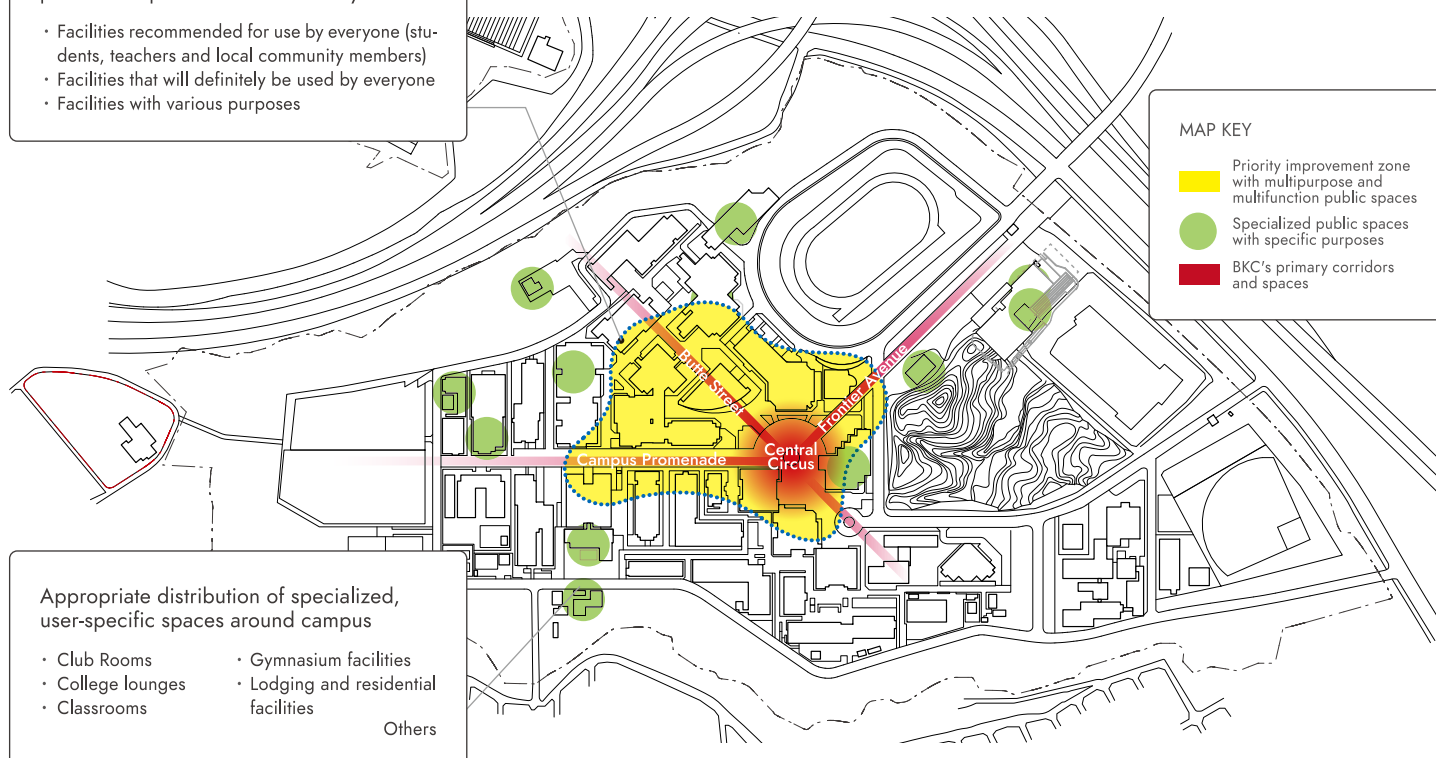
Example of cross-sectional hierarchy assignment



Visual representation

Priority improvement zone comprising flat, public-use space available to everyone

- Facilities recommended for use by everyone (students, teachers and local community members)
- Facilities that will definitely be used by everyone
- Facilities with various purposes



Appropriate distribution of specialized, user-specific spaces around campus

- Club Rooms
- College lounges
- Classrooms
- Gymnasium facilities
- Lodging and residential facilities
- Others

## Action Plan Specific Issues

The following are short-term, priority issues for 2016–2020 related to academic plan deliberations.

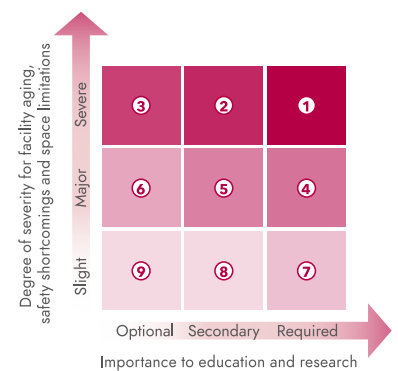
### Biwako-Kusatsu Campus (BKC)

- **Utilization of Across Wing**  
In relation to BKC new-college plans  
In relation to commons space centered on College of Economics
- **Utilization of Ad-Seminaro**  
In relation to BKC new-college plans
- **Utilization of Co-Learning House III (now Act σ)**
- **Facility improvements in response to establishment of College of Gastronomy Management and other academic developments**
- **In relation to student and independent extracurricular activity facilities**
- **In relation to service improvement efforts (expanded student services, etc.)** and others

## Facility Management as Part of Campus Improvements

As part of continual improvements aimed at achieving an improved campus environment, the coordination of management strategy, administration, operation and other such elements is vital, as are considerations related to total facility management for the Academy as a whole.

It is important to proceed with considerations based on the framework plan and through cooperation between all relevant departments and offices, and in order to transform these into specific action plan targets it is necessary to coordinate budgetary allocations (to meet fiscal requirements) with establishing of evaluation standards and other such efforts.



Simulated priority-assignment chart for facility improvements

### FRAMEWORK PLAN 4.

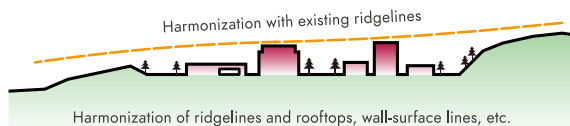
## Campus Design

The campus is one of the most important elements in determining people's perception of the University, and the effects of campus design improvement projects are readily apparent to users and help boost student satisfaction levels. Therefore, establishing campus-specific design guidelines is an effective approach to carrying out activities and implementing scenery design efforts.

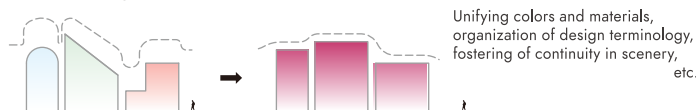
Preserving the scenery of the BKC (which is characterized by its attractive natural setting), harmonizing campus scenery with the surrounding environment, and other such pursuits are important elements in maintaining and improving the level of appeal of this spacious suburban campus environment.

### Approach

- Positions of campus and surrounding environmental elements



- Campus buildings and spaces



Facility improvements in recent years implemented with consideration for overall scenery



Newly created, comfortable outdoor spaces on campus

### FRAMEWORK PLAN 6.

## Safety and Peace of Mind

The University campus is visited by all sorts of people in large numbers. In addition to making the campus safe and accessible, measures must be taken to ensure that it is user-friendly and comfortable for all users.

### Approach

- Universal design measures
- Barrier-free design\*
- Facility maintenance and management measures, and response measures to facility aging



\*Barrier-free access map created by Ritsumeikan University Disability Resource Center

# Leading Projects Wide-area Issues

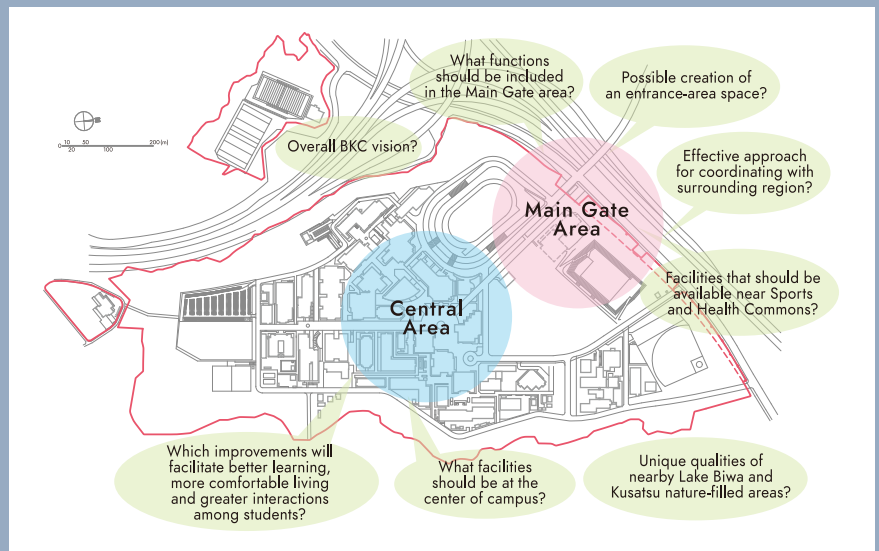
Two areas for priority consideration will be established based on the 2011 campus plan.

## Priority project areas:

- Main Gate Area
- Central Area

## Activities toward project achievement:

- ▶ Organization of relevant requirements and conditions
- ▶ Concrete planning based on specialist viewpoints
- ▶ Organization and submission of improvement priority list
- ▶ Submitting drafts for consideration



## FRAMEWORK PLAN 5.

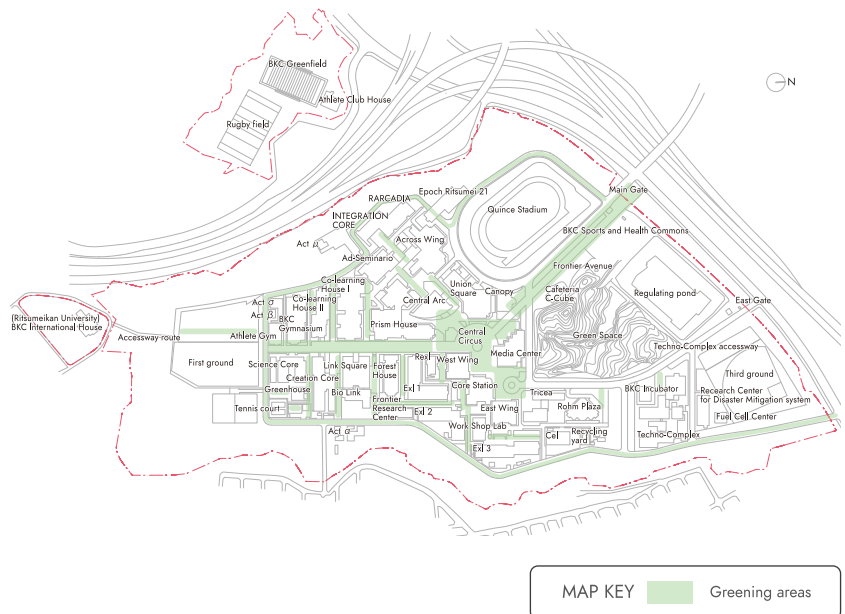
# Green Spaces

Open, natural green spaces are currently available along the campus periphery and in the campus-front zone.

We plan to utilize these existing green spaces while bolstering greenery throughout the campus and taking all necessary ecological considerations, thus achieving a campus filled with attractive greenery and boasting good continuity with the surrounding landscapes.

## Approach

- Campus Promenade: creation of spaces for moving, lingering and gathering
- Central Circus: place for rest and relaxation with lawn space and other features
- Frontier Avenue: functions as campus main entrance (Main Gate) and public space for use during free (non-classroom) time
- Spaces between buildings: plazas with trees for shade
- Periphery road: walking paths filled with greenery



## FRAMEWORK PLAN 7.

# Environmental Considerations

Through its environmentally friendly campus (sustainable campus) approach aimed at a sustainable and recycling-oriented global environment, Ritsumeikan University addresses the necessary issues and establishes goal-oriented policies and measures while taking full consideration of human, global and natural factors, and coordinating concrete factors such as facilities, infrastructures and systems with less tangible elements such as measures and approaches.

Moving forward, the University considers it vital to continue with measures toward the further cultivation of sustainable campus environments.

## Approach

- The Academy engages in measures aimed at conserving energy, reducing CO2 emissions, saving water, addressing waste problems, providing environmental education and so forth under the leadership of the Ritsumeikan Global Environment Committee, which engages environmental issues for the Academy as a whole.



Ritsumeikan Environment Report 2014 (Vol. 4)



## Improvements in Recent Years (R2020 Phase I Improvements)

Campus improvements are being carried out based on the R2020 university vision established with 2020 targets and aimed at academic, research and campus life quality enhancements.



◀ 2014  
Tricea



◀ 2012  
BKC  
International  
House



◀ 2015  
Bio Link



◀ 2013  
Act α



◀ 2016  
BKC Sports  
and Health  
Commons

## College and Graduate School Student Numbers

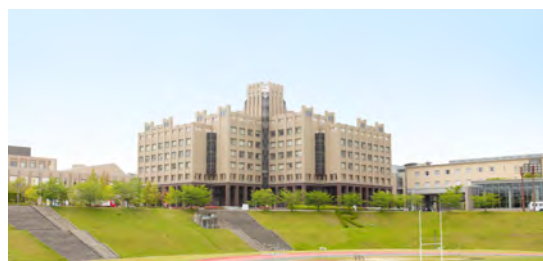
### BIWAKO-KUSATSU CAMPUS (BKC)

COLLAGE		GRADUATE SCHOOLS	
• Economics	3,321	• Economics	67
• Sport and Health Science	950	• Sport and Health Science	86
• Science and Engineering	3,945	• Science and Engineering	790
• Information Science and Engineering	1,962	• Information Science and Engineering	312
• Life Sciences	1,230	• Life Sciences	246
• Pharmaceutical Sciences	680	• Pharmacy	7

12,088 (Total for Colleges) + 1,508 (Total for Graduate Schools)

Total for BKC Campuses 13,596

(As of May 1, 2015)



Campus scenery



## Biwako-Kusatsu Campus (BKC) History

- 1994 BKC opened. College of Science and Engineering relocated from Kinugasa Campus to BKC and reopened in expanded form.  
Core Station, West Wing, East Wing, Prism House, Forest House, Exl 1–3, Cel, Work Shop Lab, Rexl, Union Square, Media Center, BKC Gymnasium, Robotics FA Center and SR Center completed.
- 1995 Cafeteria C-Cube completed.
- 1997 High-Tech Research Center and Industry–Academia Cooperation Laboratory completed.
- 1998 College of Economics and College of Business Administration relocated from Kinugasa Campus to BKC.  
Across Wing, Ad-Seminario, Co-Learning House I, Athlete Gym, Act α, Act β and Frontier Research Center completed.
- 2000 Rohm Plaza completed.
- 2001 Epoch Ritsumei 21 completed.
- 2002 Micro Systems Center completed.
- 2003 Co-Learning House II and III (now Act σ) and Act μ completed.
- 2004 College of Information Science and Engineering established.  
Creation Core completed.
- 2005 Graduate School of Technology Management (MOT Graduate School) established.  
Central Arc and Research Center for Disaster Mitigation System completed.
- 2006 Fuel Cell Center and Canopy completed
- 2007 BKC Greenfield opened and Athlete Club House completed
- 2008 College of Life Sciences and College of Pharmaceutical Sciences established.  
Science Core completed
- 2010 College of Sport and Health Science established.  
Integration Core and Rarcadia completed
- 2012 BKC International House completed  
Act α completed
- 2014 Tricea completed
- 2015 Osaka Ibaraki Campus (OIC) opened.  
College of Business Administration, Graduate School of Business Administration and Graduate School of Technology Management relocated to OIC.  
Bio Link completed
- 2016 Planned completion of BKC Sports and Health Commons

## Biwako-Kusatsu Campus (BKC) Master Plan 2015 (Version 1 Summary Edition)



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※This pamphlet is the summary edition of the Biwako-Kusatsu Campus Master Plan 2015 (version 1). For further details on the Campus Master Plan, please refer to the full version printed in Japanese.

